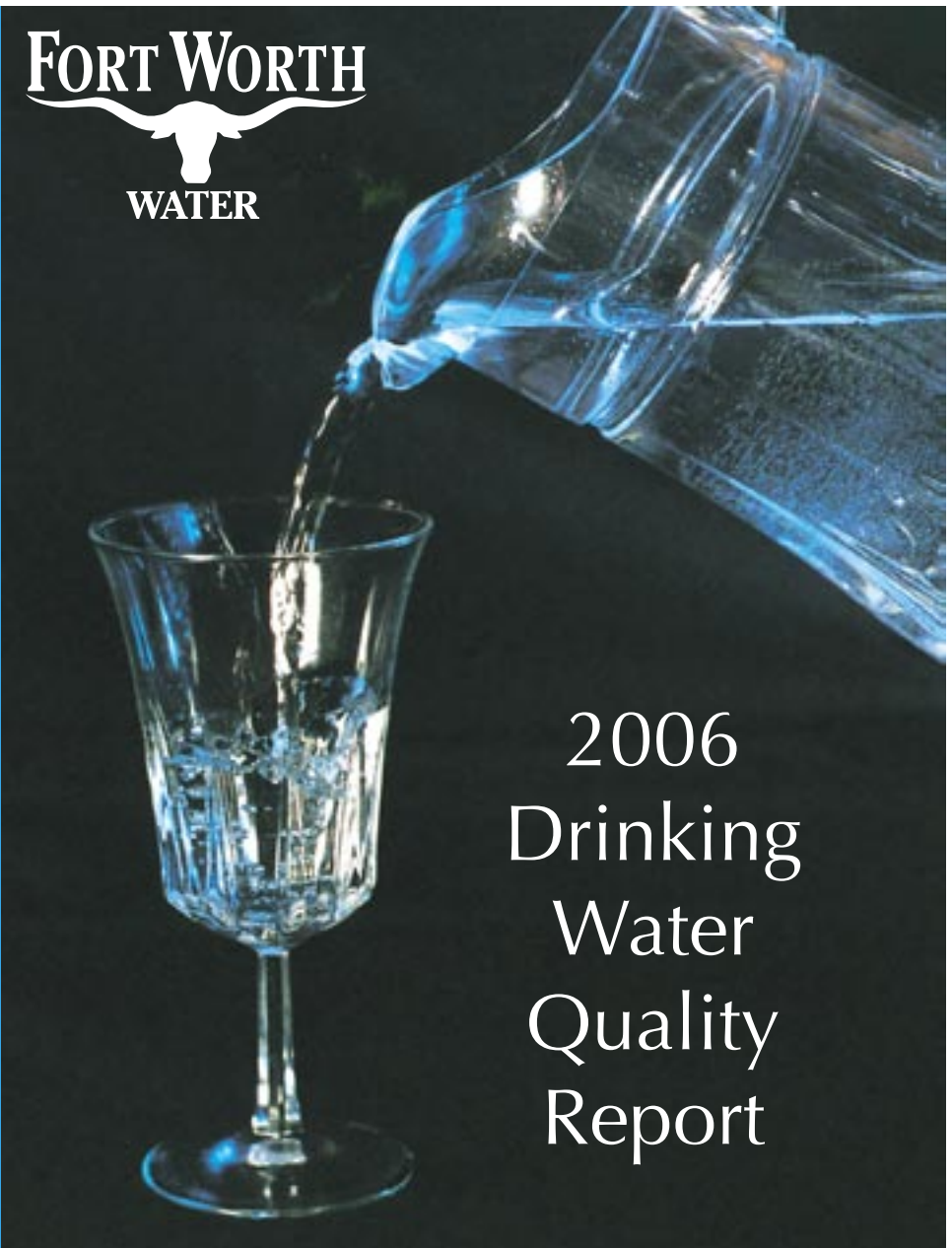




Enclosed is information about the quality of your drinking water.

This report may seem complex and confusing. There are federal and state requirements on what information is provided and how it is presented.

The bottom line is our drinking water meets all the federal and state requirements for protecting public health.



2006 Drinking Water Quality Report



...public health protection
...fire protection
...support for the economy
...the overall quality of life we enjoy

 American Water Works Association

Fort Worth Water Department
Public Education Section
1000 Throckmorton St
Fort Worth Texas 76102

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PERMIT NO. 2070

Health Information for Special Populations

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly or immunocompromised persons, such as those undergoing chemotherapy for cancer, those who have undergone organ transplants, those who are undergoing treatment with steroids and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections.

You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline at 800-426-4791.

Cryptosporidium, Giardia & Virus Results Provided

Fort Worth's 2006 testing of lake water did not detect *Cryptosporidium*, *Giardia lamblia* or any viruses.

These are microscopic organisms common in surface water. Required levels of inactivation are achieved through disinfection and filtration.

The source is human and animal fecal waste. When ingested, *Cryptosporidium* and *Giardia lamblia* can cause diarrhea, cramps and fever.

No specific drug therapy has proven effective, but people with healthy immune systems usually recover within two weeks. Individuals with weak immune systems, however, may be unable to clear the parasite and suffer chronic and debilitating illness.

Fort Worth Water Department

817-FW-24-HRS (817-392-4477)

Web site: www.fortworthgov.org/water

Email: WPE@fortworthgov.org

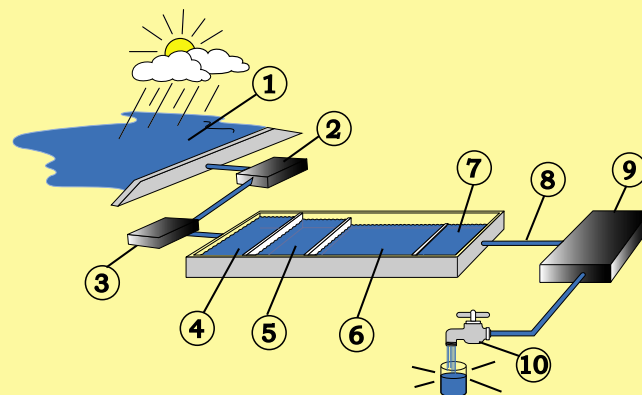
Administrative Office: Fort Worth City Hall, Second Floor, 1000 Throckmorton St., 817-392-8220

The Water Department is part of the Fort Worth city government. The City Council meets each Tuesday at City Hall, 1000 Throckmorton St.

1st & 2nd Tuesday of month 7 p.m.

All other Tuesdays 10 a.m.

The Treatment Process



1. Reservoirs: Fort Worth water comes from six lakes.
2. Raw Water Pump Station: Here water is pumped from the lake to the water treatment plant.
3. Primary Disinfection: Either ozone or chloramines (chlorine and ammonia) is added to kill bacteria and viruses. The Eagle Mountain and Rolling Hills water treatment plants use ozone. The North Holly and South Holly treatment plants use chloramines.
4. Mixing Chamber: Chemicals, called coagulants and polymers, are added to the water to cause small particles to adhere to each other.
5. Coagulation Basin: The particulate matter begins to clump together.
6. Sedimentation Basin: Particles settle to the bottom of the basin and are removed.
7. Filters: Water is filtered through four feet of coal, sand and gravel.
8. Disinfection: Chloramines are added to provide disinfection all the way to your faucet. The chlorine kills bacteria and viruses. Ammonia is added to reduce the chlorine odor and the amount of chlorine by-products created.
9. Clearwell Storage: Water is temporarily stored in tanks before it is pumped to the public.
10. Distribution: Drinking water reaches the public through more than 2,800 miles of pipeline.

Learn more about water by visiting the following Web sites. Many of these sites offer resources for teachers and children.

Fort Worth Water
www.fortworthgov.org/water

Environmental Protection Agency
www.epa.gov

*Texas Commission
on Environmental Quality*
www.tceq.state.tx.us

Texas Water Development Board
www.twdb.state.tx.us

*American Water Works
Association*
www.awwa.org
www.drinktap.org

Water Environment Federation
www.wef.org

National Sanitation Foundation
www.nsf.org

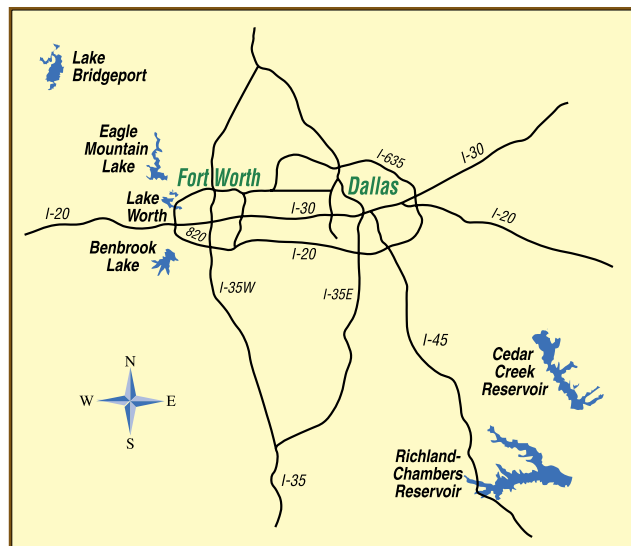
*Texas Water
Conservation Association*
www.twca.org

TCEQ Assessed Source Waters

The Texas Commission on Environmental Quality (TCEQ) conducted a source water assessment of our water supply lakes in 2003. The Fort Worth water system is susceptible to some contaminants, using criteria developed by TCEQ in its federally approved source water assessment program.

The assessment report consists of maps showing the assessment area, an inventory of known land use activities of concern and documentation of specific contaminants of concern. This report is available for review at the Fort Worth Water Department office, 1000 Throckmorton St., 2nd floor.

Fort Worth uses surface water from six lakes — Lake Bridgeport, Eagle Mountain Lake, Lake Worth, Benbrook Lake, Cedar



Creek Lake and Richland-Chambers Reservoir.

Fort Worth owns Lake Worth. The U.S. Army Corps of Engineers is responsible for Benbrook Lake. The other four lakes are owned and operated by Tarrant Regional Water District (TRWD).

Fort Worth monitors water quality in Lake Worth and participates with TRWD to ensure the other lakes are regularly tested.

TCEQ is currently updating the assessments.

Substances Expected To Be in Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at 800-426-4791 or visiting the EPA Web site at www.epa.gov/safewater.

As water travels over the land or through the ground, it dissolves naturally occurring minerals and radioactive material. Water can also pick up substances resulting from animal waste or human activity.

These contaminants could be bacteria, viruses, salts, metals or pesticides.

To ensure tap water is safe to drink, EPA and the Texas Commission on Environmental Quality (TCEQ) have regulations limiting the amount of certain contaminants in

water provided by public systems.

The Food and Drug Administration (FDA) regulates limits for contaminants in bottled water. These limits must provide the same public health protection as tap water standards.

Contaminants may be found in drinking water that may cause taste, color or odor problems. These types of problems are not necessarily causes for health concerns. For more information on the taste, odor or color of drinking water, call the Water Department at 817-392-4477.

What's in the Water

| Contaminant | Measure | MCL | 2006 Level | Range of Detects | MCLG | Common Sources of Substance in Drinking Water |
|--|-----------------------|-----------------------------------|--|-------------------|-------|---|
| Barium ¹ | ppm | 2 | 0.058 | 0.033 to 0.058 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| Beta particles & Photon emitters ² | pCi/L | 50 | 6.6 | 4.6 to 6.6 | N/A | Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation |
| Fluoride | ppm | 4 | 1.1 | 0.3 to 1.1 | 4 | Water additive that promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories |
| Nitrate (measured as Nitrogen) | ppm | 10 | 0.46 | 0.12 to 0.46 | 10 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Nitrite (measured as Nitrogen) | ppm | 1 | 0.035 | 0 to 0.035 | 1 | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Bromate | ppb | 10 | 4.6 | 0 to 4.6 | 0 | By-product of drinking water disinfection |
| Haloacetic Acids | ppb | 60 | 16.6 | 7 to 16.6 | N/A | By-product of drinking water disinfection |
| Total Trihalomethanes | ppb | 80 | 38.1 | 13.1 to 38.1 | N/A | By-product of drinking water disinfection |
| Total Coliforms (including fecal coliform & E. coli) | % of positive samples | Presence in 5% of monthly samples | Presence in 0.80% of monthly samples | 0 to 0.8 | 0 | Coliforms are naturally present in the environment as well as feces; fecal coliforms and E. coli only come from human and animal fecal waste. |
| Turbidity ³ | NTU | TT | 0.42 Highest single result | N/A | N/A | Soil runoff |
| | | | 98.9% Lowest monthly % of samples ≤ 0.3 NTU | | | |
| Contaminant | Measure | MRDL | 2006 Level | Range of Detects | MRDLG | Common Sources of Substance in Drinking Water |
| Chloramines | ppm | 4 | 3.4 | 1.5 to 4.5 | 4 | Water additive used to control microbes |
| Contaminant | Measure | 90th percentile ⁵ | # of sites exceeding action level | MCL | MCLG | Common Sources of Substance in Drinking Water |
| Lead ⁴ | ppb | 2.4 | 0 | Action Level =15 | N/A | Corrosion of household plumbing systems; erosion of natural deposits |
| Copper ⁴ | ppm | 0.457 | 0 | Action Level =1.3 | N/A | |
| Contaminant | High | Low | Average | MCL | MCLG | Common Sources of Substance in Drinking Water |
| Total Organic Carbon ⁶ | 1 | 1 | 1 | TT = % removal | N/A | Naturally occurring |

¹ Because Fort Worth historically has had low levels of metals in its water, the Texas Commission on Environmental Quality (TCEQ) requires this monitoring occur only once every six years. The test results shown above are from 2002. The next monitoring will occur in 2008.

² Because Fort Worth historically has had low levels of radionuclides in its water, TCEQ requires this monitoring occur only once every three years. The test results shown above are from 2005. The next monitoring will occur in 2008.

³ Turbidity is a measure of the cloudiness of water. It is monitored because it is a good indicator of the effectiveness of the filtration system.

⁴ Because Fort Worth historically has had low levels of lead and copper in its water, the TCEQ requires this monitoring occur only once every three years. The test results shown above are from 2005. The next monitoring will occur in 2008.

⁵ 90th percentile value: 90% of the samples were at or below this value. EPA considers the 90th percentile value the same as an "average" value for other contaminants. Lead and copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of the water. If more than 10% of tap water samples exceed the action level, water systems must take additional steps.

⁶ Total Organic Carbon is used to determine disinfection by-product precursors. Fort Worth was in compliance with all monitoring and treatment technique requirements for disinfection by-product precursors.

Unregulated Contaminants ⁷

| Contaminant | Unit | Range of Detections | 2006 Level | MCL | MCLG | Common Sources of Substance in Drinking Water |
|----------------------|------|---------------------|------------|---------------|------|--|
| Chloral Hydrate | ppb | 0 to 2.1 | 2.1 | Not regulated | 0 | By-product of drinking water disinfection |
| Bromoform | ppb | 0 to 2 | 2 | Not regulated | 0 | By-product of drinking water disinfection; not regulated individually; included in Total Trihalomethanes |
| Bromodichloromethane | ppb | 0 to 19.1 | 19.1 | Not regulated | 0 | |
| Chloroform | ppb | 0 to 22.1 | 22.1 | Not regulated | 0 | |
| Dibromochloromethane | ppb | 0 to 14 | 14 | Not regulated | 60 | |
| Dichloroacetic Acid | ppb | 0 to 17.6 | 17.6 | Not regulated | 0 | By-product of drinking water disinfection; not regulated individually; included in Haloacetic Acids |
| Trichloroacetic Acid | ppb | 0 to 6.1 | 6.1 | Not regulated | 300 | |

⁷ Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted.

Abbreviations Used in Tables

Action Level - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

MCL - Maximum Contaminant Level; the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG - Maximum Contaminant Level Goal; the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL - Maximum Residual Disinfectant Level; the highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG - Maximum Residual Disinfectant Level Goal; the level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

N/A - Not Applicable.

NTU - Nephelometric Turbidity Unit; a measure of water turbidity or clarity.

pCi/L - Picocuries per liter; a measure of radioactivity.

ppb - Parts per billion or micrograms per liter (µg/L).

ppm - Parts per million or milligrams per liter (mg/L).

TT - Treatment Technique; a required process intended to reduce the level of a contaminant in drinking water.


Additional Parameters

This chart lists other items for which the water is tested. These items do not relate to public health but rather to aesthetic effects. These items are often important to industrial users.

| Item | Measure | 2006 Level |
|---------------------------------------|---------------|------------|
| Bicarbonate | ppm | 107 to 163 |
| Calcium | ppm | 77 to 153 |
| Chloride | ppm | 22 to 44 |
| Conductivity | µmhos/m | 343 to 511 |
| pH | units | 7.8 to 8.2 |
| Magnesium | ppm | 3 to 10 |
| Sodium | ppm | 15 to 34 |
| Sulfate | ppm | 33 to 42 |
| Total Alkalinity as CaCO ₃ | ppm | 88 to 130 |
| Total Dissolved Solids | ppm | 185 to 272 |
| Total Hardness as CaCO ₃ | ppm | 92 to 181 |
| Total Hardness in Grains | grains/gallon | 5 to 11 |

Public Meeting
Monday, July 9, 2007
City Hall,
Council Chambers
1000 Throckmorton St.
6 p.m.

Water Department staff will be on hand to answer questions you may have about this report or other water quality issues.



Do you know how often you turn me on?

If only the water faucet could talk to us. It might remind us how often we turn to it for safe water to drink, to wash our clothes, to prepare our food, to provide us with the everyday quality of life we enjoy. It might remind us that the water pipes below our streets make so many everyday conveniences possible.

Our water bills pay to keep our community tap water safe, reliable and there for us — 24/7 without fail. For more information about what your tap water delivers, visit www.fortworthgov.org/water.



Only Tap Water DeliversSM



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817-FW-24-HRS
(817-392-4477)

Drinking Water Quality

Water Conservation

Pesticides

Biosolids

Grease

Wastewater Treatment

Youth Programs

& More

Mark Your Calendars!

FREE Yard Smart Seminar

August 25, 2007

Fort Worth Botanic
Gardens Lecture Hall

8:30 a.m.

Watch for bill insert or visit
www.fortworthgov.org/water
for more information.